

IN THE CLAIMS:

1. (currently amended) A mobile telephone, comprising:  
  
a vital sign measuring system having a vital sign sensor integrated with a chassis of said mobile telephone and configured to determine vital sign information of a user;  
  
a keypad, coupled to said vital sign measuring system, configured to allow a user to control said vital sign measuring system; and  
  
a display, wherein said vital sign sensor is configured to send said vital sign information to said display, said display coupled to said vital sign measuring system, configured to receive said vital sign information from said vital sign sensor and provide said vital sign information to said user.
2. (currently amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is measuring system comprises a body temperature sensor.
3. (currently amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is measuring system comprises a blood pressure sensor.
4. (currently amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is measuring system comprises a pulse detector.
5. (currently amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor includes an analog to digital interface coupled to said display and configured to convert said vital sign information from analog data to digital data and directly send said digital data to said display to provide said vital sign information as digital data ~~vital sign measuring system includes a sensor for measuring vital signs of said user, said sensor integrated within a chassis of said mobile telephone.~~

6. (currently amended) The mobile telephone as recited in Claim 1 further comprising a loudspeaker and a microphone, coupled to said vital sign measuring system, configured to provide said vital sign information to said user and configured to allow said user to control said vital sign measuring system, respectively.

7. (currently amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is configured to send said vital sign information to said display as analog data, said display configured to receive said analog data and provide said vital sign information as an analog signal further comprising a microphone, coupled to said vital sign measuring system, configured to allow said user to control said vital sign measuring system.

8. (currently amended) A method of employing a mobile telephone to measure a vital sign, comprising:

controlling a vital sign measuring system having a vital sign sensor integrated in a chassis of said mobile telephone with a keypad of said mobile telephone, said vital sign sensor configured to obtain vital sign information from a user; and

providing said vital sign information to said user by directly sending said vital sign information from said vital sign sensor to with a display of said mobile telephone.

9. (currently amended) The method as recited in Claim 8 wherein said vital sign sensor is measuring system comprises a body temperature sensor.

10. (currently amended) The method as recited in Claim 8 wherein said vital sign sensor is measuring system comprises a blood pressure sensor.

11. (currently amended) The method as recited in Claim 8 wherein said vital sign sensor is measuring system comprises a pulse detector.

12. (currently amended) The method as recited in Claim 8 wherein said ~~vital sign measuring system comprises a~~ vital sign sensor is located on an opposite side of said mobile telephone as said display to simultaneously employ said vital sign sensor and provide said vital sign information to said user through said display.

13. (original) The method as recited in Claim 8 further comprising providing said vital sign information to said user with a loudspeaker of said mobile telephone.

14. (previously presented) The method as recited in Claim 8 further comprising controlling said vital sign measuring system with a microphone of said mobile telephone.

15. (currently amended) A mobile telephone vital sign measuring system, comprising:  
a vital sign measurement system including a body temperature sensor, a blood pressure sensor, a pulse detector and control circuitry coupled to said body temperature sensor, said blood pressure sensor and said pulse detector, said vital sign measurement system configured to determine vital sign information of a user;

a central processor unit configured to control said vital sign measurement system via said control circuitry when said vital sign measurement system is activated;

a mobile telephone interface; and

a display configured to receive said vital sign information from said vital sign measurement system and provide said vital sign information to said user, said vital sign measurement system configured to bypass said central processor unit when sending said vital sign information to said display

control circuitry coupled to said body temperature sensor, said blood pressure sensor, said pulse detector and said mobile telephone interface, configured to provide vital sign information to

~~a user via said mobile telephone interface and a mobile telephone coupled thereto in response to control signals received from said mobile telephone through said mobile telephone interface via commands input to a microphone of said mobile telephone.~~

16. (currently amended) The mobile telephone system as recited in Claim 15 wherein said system is integral with a chassis of said mobile telephone.

17. (currently amended) The mobile telephone system as recited in Claim 15 wherein said vital sign measurement system includes an analog to digital interface configured to convert said vital sign information from analog data to digital data and send said digital data to said display to provide said vital sign information as digital data ~~control circuitry provides said vital sign information to said user via a display of said mobile telephone.~~

18. (currently amended) The mobile telephone system as recited in Claim 15 wherein said control circuitry provides said vital sign information to said user via a loudspeaker of said mobile telephone.

19. (currently amended) The mobile telephone system as recited in Claim 15 wherein said vital sign measurement system is activated by control circuitry accepts commands from a keypad of said mobile telephone.

20. (currently amended) The mobile telephone system as recited in Claim 15 wherein said vital sign information is provided to said user via an analog signal indicated on said a display of said mobile telephone.